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ORANGE COUNTY AMATEUR RADIO CLUB

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VOL. XXXIV NO. 7

P.O. BOX 3454, TUSTIN, CA 92682

JULY, 1993

## **The Prez Sez**

**By Jane, KC6TAM**

Field Day was a great success for OCARA this year. As a club we had the highest score since 1968!

There will be 2 N6UC awards - 15 meters for not putting guy wires on their antenna and 20 meters for not securely attaching the elements on his antenna.

I think everything went well and the members who participated had a lot of fun. I hope to see everyone at the meeting on July 16th!

73, JANE - KC6TAM

## **July Program: Dave Gutierrez - WA6PMX ATV & The Space Shuttle**

**MINUTES of OCARC GENERAL MEETING  
18-JUNE-1993 by KEN-W6HHC**

\* The meeting was called to order at the ANAHEIM EMERGENCY OPERATIONS CENTER at 7:30 PM. All Board members were present, except John-WA6RND and MEL-KM6BT.

\* The program was presented by Ken-W6HHC, who presented a VCR on the OCARC 1992 FIELD DAY OPERATION. The VCR was originally produced by Nancy-N6XQR and was further edited by Ken and Tom-WA6PFA.

## **After Field Day Thoughts**

**By Larry, K6VDP**

Well, Field Day is over and we reached an all time record on the number of contacts made. Many thanks to all who participated. The band plan worked well and kept 4 transmitter going full time. The following are comments from me and others for improvements for next year. Hopefully, we can use the same site.

**POWER** - We should start the generators 30 minutes before 11 am so the stations can check out the power distribution and rigs.

**ANTENNAS** - Bob, N7AZ, came up with a great idea. He made a long pole which mounted on our tower above the 20 meter CW beam. He used this to mount his 80 meter dipole which also loaded up on 17 meters. We should build 4 of these to keep with our towers.

*Thoughts Cont. page 2*

\* The main activities of this meeting were to prepare for next weeks Field Day operation. On Friday, 25-June, preparations for installing the the club's towers would begin with pick-up at SKIP'S QTH beginning at 12 NOON. Saturday's set-up activities would begin at 7:30 AM.

\* The TREASURER, Bob-KD6BWH, reported that the club currently has \$673 in the Checking Account and \$1,191 in the Savings Account for a total of \$1,864.

*Minutes cont. page 2*

Thoughts cont.

CW - I found fewer stations on CW than in previous years. Maybe next year, we can shut down on CW and get some 10 meters contacts with W6ZE.

SOLAR - We made the minimum 5 contacts for solar credit on 440FM on Sunday morning. It would be much easier to make these at the beginning of Field Day.

Again, thanks to all for a great Field Day. Let me know if you have any other comments or suggestions.

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Minutes cont.

\* The OCARC membership ranks were reported to be 82 fully-paid members plus additional family members.

\*The Activities Chairman, Cindy-KC6OPI, announced that OCARC has planned a family event of Miniature Golf for Saturday, July 17.

\*The Activities Chairman, Cindy-KC6OPI, also announced that OCARC has planned a family picnic for Saturday, August 14, at El Dorado Park in Long Beach. Cindy has announced that food for this event will be "pot luck" style.

#### MINUTES of OCARC BOARD MEETING 03-JULY-1993 by KEN-W6HHC

\* The meeting was called to order at the DENNY'S Restuarant at 8:45 AM. All Board members were present, except Bill- K6BWZ, Bob-KD6BWH, and Bob-AF6C.

\* Ken-W6HHC read a summary of this years FIELD DAY results from the USMCAS(H) in Tustin (printed elsewhere in this issue of RF). It looks like this year has the best ever for OCARC with over 3,000 QSOs.

\* The Program Chairman, John-WA6RND, reported that the speaker for the JULY genral meeting (16-JULY) will be Dave- WA6PMX, who

will give a presentation on "BAND PLANNING FOR THE 1990's".

\*The Activities Chairman, Cindy-KC6OPI, announced that OCARC has planned a family event of Miniature Golf for Saturday, July 17. See map and details in this issue of RF.

\* The Activities Chairman, Cindy-KC6OPI, also announced that the OCARC has plained a family picnic for Saturday, August 14, at El Dorado Park in Long Beach. The attendees will bring their "own main meal" plus additional food to share according to the following plan:

NOVICE/TECH	SIDE DISHES
GENERAL	BEVERAGES
ADVANCED	SALADS
EXTRA	DESERT
BOARD MEMBERS	SNACKS & APPETIZERS
(plus "CLASS" food)	

\* Because of the Volunteer event, California Classic Carriage Event, to be held on the date of the normal OCARC Board meeting, 7-AUG, the board meeting has been rescheduled to occur during the CLUB PICNIC, 14-AUGUST.

## Thank You!

The Orange County Amateur Radio Club wishes to thank Polly's Pies for the delicious Apple Pies that they donated to us for Field Day.



If you enjoyed the pies, be sure to stop by their location at 2699 N. Main Street, in Santa Ana, say Thank You to the manager, and try some of their other delicious items. They are open for Breakfast at 7:00am. Be sure to try one of their Cinnamon Rolls.

## Club Picnic - Saturday, August 14th

Location: El Dorado Park, Long Beach. Please note that there is a \$5.00

entrance fee into the park.

Bring along the whole family for a fun time at the picnic. There is fishing, bike paths, paddle boats and a model boat pier available, and there will be games for the kids to play, adults are welcome to participate also.

This year, we are going to try a potluck type of picnic. Each class of license will bring along one type of food item, in addition to the main entree for themselves. Here's the breakdown of class license and type of food item to bring:

Novice/Tech: Side Dish  
General: Beverage  
Advanced: Salads  
Extra: Dessert  
Board Members: Snacks

A note to board members: We will also bring the item that our class of license drew in addition to the Snack item.



## California Classic Event

The California Classic Carriage Combined Driving Event will be held August 6, 7, 8 in Rolling Hills again this year. This event is put on every year to help support the American Riding Club for the Handicapped (ARCH) of Orange County.

The marathon event will be held Saturday, August 7. This will be the day we need most of the operators for safety on the cross country course. Everyone who has worked this event always has a great time and enjoys seeing the horses & carriages at work.

If you are interested, please contact Bob Tegal, KD6XO, at 714 531-0926 for more info.

## 1993 Board of Directors

President .....	Jane Breller .....	KC6TAM ..310 866-2077
Vice President ...	John Dawson ..	WA6RND ..... 633-7489
Secretary .....	Ken Konechy ..	W6HHC ..... 744-0217
Treasurer .....	Bob Buss .....	KD6BWH ..... 534-2995
Activities .....	Cindy Hughes ..	KC6OPI ..... 971-3448
Membership .....	Bill DeSmith ....	K6BWZ ..... 533-4379
Public Relations...	Mel Chester ....	KM6BT ..... 637-0184
T.V.I. Chairman...	Chris Breller ....	KJ6ZH ..... 310 866-2077
Member at Large ..	Frank Smith ....	WA6VKZ ..... 838-3180
Member at Large ..	Bob Eckweiler .	AF6C ..... 639-5074

## CLUB APPOINTMENTS

Club Historian .....	Bob Evans .....	WB6IXN ..... 543-9111
W6ZE Trustee ....	Bob Eckweiler ....	AF6C ..... 639-5074
RF Editor .....	Cindy Hughes ....	KC6OPI ..... 971-3448
Refreshments .....	Cindy Hughes ....	KC6OPI..... 971-3448

## DUES

Regular Member .....	\$12.00	Additional Family Members \$6.00 each
Teenage Member .....	6.00	Optional Club Badge ..... 5.00

Dues for new members are prorated quarterly from January of each year. Family members must reside at the address of a Regular Member. One RF is sent per household.

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Ham Radio goes to School  
by Cindy, KC6OPI & John, WA6LAB

How much fun do 6<sup>th</sup> graders think Ham Radio is? It depends on how you present it to them. On June 1<sup>st</sup>, a group of hams had a chance to show a class of 6th graders at Portola Middle School, in Orange, some very simple D.F. techniques. Here are some of the comments that were received on what they thought about the experience.

I enjoyed the bodyshielding a lot. Thanks for letting me talk to Nancy (N6ZRB) and letting me use the bodyshielding. -XUAN.

Thank you for coming, it was really fun. I really enjoyed it. The equipment was really nice.  
-ALISHA.

John, Thanks for the T-Hunt. -PAT.

Thank you for bring(ing) your friend(s) here and showing us how to use the radio transmitters. I like it went you let me hide the box. -TUAN.

Thank you for coming to our class. I really enjoyed it. -WILLIAM.

Thank you for the fun I had trying to find the box. If you could come back next year I would love it. See you next year. -RYAN.

Hi. I would like to thank you for taking time off to spend with us. Your radio transmitter was really neat. I like it because it is electronic. I hope you come back and try to find that box again. It was fun. See ya later. Bye! -SARA.

I would mostly like to thank John Roberts because he made everything seem so exciting.  
-ANTHONY.

Thank you for bringing your radio transmitter Dave. It was pretty fun finding the box. Too bad we didn't get to hide it. If I got to hide it by myself, I would have hid it in the girl's locker room cause all of you were men but Mrs. Hughes. -DYANA.

I really like the presentation you gave for us. Your team is neat. Your devices are neat too. Do you get lost on your trips sometimes, and, does it cost a lot for trips like that? -ROBERT.

Thank you for the great experiments. Those experiments work great. Thank you coming and telling us what it is about and how it works. Also thank you for your time. -DIEU.

Thank you very much for taking the time to come to Portola with your Amateur Radio Transmitter Club. The students thoroughly enjoyed your demonstration. -Miss McRAE.

There is also the Science teacher, Mr. Greenewald, who would like to have someone come out and talk to the Science Club about different things in Amateur Radio. He is also interested in getting his Amateur License.

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## Let's go Miniature Golfing!

If you would like to work on your putt for golf, join us at the Castle Park in Riverside on Saturday, July 17th at 3:00 pm for some miniature golf.

If golf is not your game, there are over 400 games inside the castle that will most likely suit you or your family. What kind of games are there? There is: pool, video games (lots of old and new favorites), pinball games, akee ball, boom ball, air hockey, twenty-one, some stationary rides and much more. There is also an amusement park that has 35 rides: train, water ride, ferris wheel and a merry-go-round and more.

Cost for golf: Adults - \$4.75; Children - \$3.75. Cost for Amusement Park: Tickets are \$.50 individually, books are \$9.00 for 22; \$16.00 for 50 and \$25.00 for 100 tickets. Rides take 2-3 tickets for ages 12 and under, 3-5 tickets for ages over 12. Pony Rides - \$2.00; Log ride - \$1.50 for 12 and under, \$2.00 for over 12.

For those who have students in the household, bring their report cards for a reward. They are offering 3 tickets or tokens for A's and 2 tickets or tokens for B's. Maximum of 20 tickets or tokens to be rewarded.

To get there take the 91 freeway (Riverside Freeway) west to Tyler St. exit. Go North on Tyler to Arlington. Go West on Arlington to Polk (2nd signal past Tyler). Go South on Polk. Castle is on West side of street.

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## NET NOTES

By Bob Evans, WB6IXN

6/2 15m phone net - W6ZE/AF6C checks in NGO, NG7D, IXN, & HHC. NGO finds 15m open this afternoon. And NG7D finds his much needed 'chips' at the Swapmeet last Sat. NGO reports IXN & HHC at abt the same sig. strength. AF6C examines a new Knwd rig, and Bob can't get over the acronyms used wid no explanations to go along wid them! IXN reports possible gravitational BQ windows for upcoming lunar eclipse on June 4. HHC reminds all OPs of upcoming Club breakfast Sat. And IXN gives OPs Public Seismic Network info.

6/2 2m phone net - W6ZE/IXN checks in BPX, ZH & TAM, wid K9CQ on side, QW, BSD, RE, AF6C, NG7D, BWH, VDP, & XTJ. BPX helps Farmer Blanche, watering the lawn & doing sum minor chores. The tomatoes & cucumbers are doing nicely, & Wyatt has replaced his broken battery charger! Visions of DXCC certificates dance in ZH's brain..100th card on 15m..100th country, CW, + 14 more..100th country on 40m..a 9M0 on Spratley Is., a TX, & a CB0, all while TAM entertains herself at the California Gentleman's Club..?! IXN has been fighting a lung bug wid antibiotics. QW has 2377 counties worked, wid 699 to go. And Rolf finishes the control box fer the DK-3 ant. BSD roams around Italy fer 10 days. Bob finds the food expensive, even paying fer his drinking water! But Bob enjoys the trip! BSD also gets the 9M0S on Spratley Is. on 20m phone SSB! RE 'boob-tubes' it over last weekend, watching the Indianapolis 500, basketball &

baseball games. Alex gives OPs info on a new beacon, NB CW & FSK, on 5604 KHz 00:01 after the hour; 11,004 KHz 20 & 21 min. after the hour; 16,804 KHz 40 & 41 min. after the hour. The beacon is located in Alaska. Alex airs an interesting Newslines. AF6C & IXN mention the 147.705 2m freq. fer the Public Seismic Network, & NG7D gets the 40m rig operating after replacing an errant chip that he procured from the Builder at the Swapmeet. Now John awaits a catalogue to order parts fer a couple of small QRP rigs! IXN inquires of BWH if he's heard frm N7LPJ lately. "No", says Bob..And sure enuf, IXN gets a call frm LPJ just after net! VDP, like RE, watches the basketball payoffs over the weekend, and requests a repeat of NAF Beacon info frm Alex.

6/3 40m CW net - Wid RND busy painting the QTH, plus a disconnected rig, W6ZE is assumed by IXN. Only NT checks in. IXN still fights allergies & a small lung infection, & Ray looks all over fer a piece of 4" OD pipe. Anyone got a piece lying around the yard?..The Big Dish on the Hill needs your help! IXN closes net to work on things seismic, & Ray goes off to dinner!

6/9 15m phone net - W6ZE/AF6C checks in NGO, IXN, & RND. Wid the housepainting abt completed, John & XYL prepare to move all items frm the garage bk into the house! And John works frm the RV tonite..No rig in the house yet! NGO works J-land on 15m this morning..an OP in Yokahama, mobile, no less! And Kei watches wid interest as his sailing Nephew takes 2nd place in a recent boat race! IXN & OPs tell W6ZE that

the dirty contact in the rig is acting up agn. And Bob juggles mike cords, tubes, etc., looking fer the problem!

6/9 2m phone net - W6ZE/IXN checks in RE, RND, NG7D, AZ, VDP, BWH, HHC, ONZ, & ESD. OPs pass cudos thru ONZ to OPI on June RF!..Gud job, Cindy! RE reads a temp of 92 today as Alex cans a bumper crop of boysenberries and laments his empty apricot trees! RE announces AMSAT competition plans fer FD, the QSO Party this weekend, and airs Newslines. RND is prepared fer the next BQ as he completes preparations fer FD in Utah!..Maybe John will take the BQ to Utah wid him!..Hi! NG7D & OPs note sporadic E skip on VHF TV sigs on the low channels, plus sum new UHF stations on frequency. John says 10m is 'hot' mornings & afternoons!..He gets 2 more CA. counties! And John continues to rack up the DX QSLs! AZ & RND watch the Bulls win another playoff game, and Bob gets a tent canopy ready to lower the tent temp. during FD operations! AZ also experiences sum 'knotty' problems wid a QRP VFO. VDP, reminding all he isn't FD Chairman, continues work as time & freq. coordinator fer FD. Any remaining band planning problems will be discussed at next Club meeting. 6m is open afternoons!..Larry gets Portland, OR, & Los Alamos, NM. VDP & COJ meet wid LTA brass tomorrow to finalize FD site plans. BWH recognizes tail end of last week's Newslines as Alex overuns the tape! And Bob comments on Cindy's FB RF! HHC will landline Cindy to see if we can use the RC light trailer fer FD. ONZ tells Ken that OPI is holding a VE session at the RC tonite! And Don gets the HT bk frm Knwd. just in time fer FD!

*Net Notes cont.*

BSD dons the apron and cleans sum kitchen cabinets. Then Bob gets sum items ready for the Rio Hondo Swap Meet. No eyeballs fer Bob at Meeting. He'll be dancing!!

6/10 40m CW net - W6ZE/RND checks in IXN & NT. Wid carpenters coming tomorrow, RND & XYL will soon be ready to move all frim the garage bk into the QTH! John's FD installation in the RV does FB on the nets! Then, a wk frim tomorrow, it's off to Idaho by way of Utah fer FD! IXN tells OPs abt two water main breaks at the north end of the Newport Inglewood fault. And "All My Antennas" sees Ray package up the Big Dish in a lil cardboard box as NT awaits cooler WX! NT & VDP hve the 40m beam ready fer FD!

6/10 15m phone net - W6ZE/AF6C checks in IXN, ULU, & RND. AF6C zeroes in on the xmitter difficulties, & Bob sends a Panasonic camcorder to his sister bk east. IXN suggests he contact NG7D, who is an old timer wid camcorders! RND has all the FD equipment in the RV, ready fer his FD trip to Utah! After John & XYL return, its a garage sale fer items not going bk in the refurbished QTH! AF6C tells OPs that Jim Rafferty of HRO became a silent key recently. And ULU says Lorraine McCarthy is looking fer OPs fer the amateur booth at the Orange County Fair. ZB says NGO shud be approaching Okinawa abt this time.. Kei is flying 'across the puddle' to hobnob wid OPs in Japan!

6/10 2m phone net - W6ZE/IXN checks in BPX, ZH & TAM, RND, RE, BWH/m, VDP, & QW. BPX develops 2 painful spurs on his toes, but manages 'Farmer Blanche' frim the wheelchair..lots of cucumbers,

and now, tomatoes too! ZH manages sum DX as he fixes the brakes on the auto. TAM buys 4 new tires fer her car. Now Chris must do the brakes on Jane's auto!...money..money! And ZH & WJJ hve been busy preparing fer FD at WJJ's QTH! RND goes off the air suddenly..John pops a fuse! Undaunted, RND 'replaces the bridge' & tells OPs that eye doc says the 'peepers' are FB, & he orders John new glasses! RE tells us that QCA & QBZ, Club members in the '79 era hve med. problems. QBZ, Francis, had a by-pass operation, but had a stroke! VDP & IXN can't remember Ernie or Francis too well! RE plays Newsline & fills in OPs on upcoming Shuttle launch. BWH operates mobile frim the PO parking lot in Tustin as he picks up Club mail. And Bob joins IXN wid weeds in the garden! If VDP reads FD rules correctly, Novices are going to be limited to 220 & HF bands only! Larry reports gud openings on 6m, & VDP does a little VHF contesting over last weekend. QW refreshes IXN's memory abt his enjoyable trip to Germany. IXN conjures up images of werewolfs & vampires as QW talks abt the old castles on the Rhine! And Larry & Rolf get the DK-3 mobile antenna installation in Rolf's truck well under control, after figuring out how to neatly route & hide the coax cables!..automatic tuning on 80 thru 40m! Rolf also spends time repairing BQ damage at Big Bear. Now his property is up for sale!

6/23 15m phone net - IXN can't find last week's net notes for either the 15m or 2m phone nets!..Old age is creeping up fast! W6ZE/AF6C checks in IXN, NG7D, & ZH. AF6C builds up another junction box fer FD to replace the one that was run over! And IXN begins an atlas of ULF waves forms frim up Placerville way. NG7D 'R & R's' at 'Lost

Wages' (L. Vegas) last week and wins a little whilst enjoying the Auto Museum on the side! ZH will be coming south to Orange County as Chris takes on new & challenging employment as Operations Mgr!

6/23 2m phone net - W6ZE/IXN checks in BPX. VDP, NG7D, RE, ZH & TAM, AZ, VES, BWH/M, QW, OPI, & ONZ. RE announces N5WQW, aboard the Shuttle, will downlink on 145.55 MHz, uplink on 145.49 packet, & 144.91, 93, 95, 97, & 99 fer voice. Alex says Lorraine McCarthy needs volunteers fer the OC Fair Booth. Call her at 979-2633. BPX still palavars wid the Docs over the toe problem as Blanch dutifully manages the cucumbers, tomatoes, and the peaches! VDP discusses the Friday noon loading party to transport FD materials to the site, including FD items at NT's QTH! Larry looks forward to an FD opening on 6m! IXN tells NG7D to tell us what its like if he rides out an earthquake in the new Space Needle at Las Vegas! RE airs Newsline & OPs give sig reports to Alex on reception. TAM & ZH solve the porta-potty problem, & Jane attends a Tupper ware party tonite..(the two not connected!) And ZH announces that WR6G, Tom Nelson, of HRO, had a heart attack. TAM attempts a mobile check-in, but W6ZE can't pick her out of the QRM! AZ 'mops up' FD preparations, getting the 'old Drake Twins' ready if needed! Bob also raises the 2m ant. another 10 ft! VES flies in & flies out..Gary must get ready fer work! VES & NG7D will FD QRP..a valiant feat wid all those strong sigs! ONZ needs another BBQ..ZH will bring his! BWH, now home, and the soldering iron heated, attacks a broken wire in the INNOVA

battery supply! QW takes advantage of a 6m opening yesterday to get 8 new grid squares! And Rolf polishes off 2500 counties wid 80 % confirmed! The new mobile ant. & rig work fine..Now to ground the exhaust pipe, hood, etc., to eliminate spark noise! OPI announces that RC will allow us to use the light generator agn this year fer FD..Training session tomorrow afternoon at HQ! And Cindy prepares a 'midnight snack' fer FD!..Yum-Yum!

6/30 15m phone net - W6ZB/AF6C checks in VDP, NG7D, IXN, & RND. AF6C vows to clean the relay in the old Heathkit over the 4th! And Bob gives a rough total fer FD!..3,061 contacts fer 8,132 points..best score ever fer an OCARC FD! NG7D & VBS make 96 contacts QRP on FD, upping last year's record! IXN tells OPs that USGS seismic explosions to map LA underground faults will pose no BQ hazards! RND leaves the RV in Idaho after FDing wid friend from Connecticut near Zion Nat. Park! They contact LAB, AZ, & VDP in So. CA. on FD!

6/30 2m phone net - W6ZE/IXN checks in BPX, RB, HHC, NG7D, VDP, RND, AF6C, AZ, ZH & TAM, OPI, BSD, & QW. HHC gives OPs rough FD scores fer each band. And Ken garners RND, VDP & QW to help wid an ant. raising party fer W6VZP, Jack, a stroke victim in Anaheim. BPX takes a few strokes at the weeds & then decides to spray the rest. Wyatt & Blanche are visited by a nephew frm New Mexico as Wyatt now prepares for another round wid the ailing toe & the foot doc! RB airs Newsline frm the co-linear

tonite & all OPs hear it well (including ZH!). Alex also attend the F. Schultz funeral today. NG7D & VBS manage 2 HI & 2 Virgin Is. contacts on less than 5W on FD, plus a Tijuana contact! OPs thank AZ fer the 'stellar performance' on 20m CW!..Bob's secret for staying awake?!..Don't let your butt get numb!! AZ & OPs thank OPI & ONZ fer FD food & goodies! VDP's band planning worked well, & Larry will suggest sum further ideas fer next FD! From Boise, ID, up abt 5,000 ft., RND & friend work over 300 contacts frm atop 'rattlesnake hill'! 40m was their most productive band. Too bad RND didn't work NT on Goat Hill frm atop Rattlesnake Hill! AF6C credits simultaneous operation of 15 & 20m stations fer higher FD contacts this year! And ZH txs OPI & TAM fer outstanding 'duping' performances wid the computer. And Cindy says OPs ought to stop by Polly's Pies on Main St. in Santa Ana & thank them for the apple pie donation!..They were a great hit! QW & IXN, not operating at the site, hand out points to FD OPs. QW helps set up & tear down at FD site, & Rolf picks up 12 new counties today! BSD 'flies in & flies out'.

**For Sale:**  
Uniden Cordless Phone.  
49 Mhz,  
**(NOT CELLULAR)**  
Push button tone or  
Pulse with redial.  
\$35.00  
**Alex, W6RE.**  
**(714) 544-1974**

*Congratulations to  
N6TNK & N6TNL on  
the addition of a  
second  
harmonic.*

*DOUGLAS  
SINCLAIR GORUM  
ARRIVED ON JUNE  
21, 1993. WEIGHT: 7LB.  
8.6OZ.*



**August's Board  
Meeting will be held at  
the Picnic on August  
14th.**  
**See all Board Members  
at the Picnic. See  
map in RF for location  
of Picnic.**

#### **Activities Calendar**

**August 14th - Club  
Picnic, El Dorado Park,  
Long Beach**  
**September - Club  
Campout**  
**October 23 - Pizza Party**  
**November 6, Bowling**  
**November 20 - Pizza  
Party**  
**December 12 - Christmas  
Banquet**

OCARC By Quarter  
1/ 1/93 Through 6/30/93

OC1992-All Accounts  
6/17/93

Page 1

Category Description	1/93- 3/93	4/93- 6/93	OVERALL TOTAL
<b>INCOME/EXPENSE</b>			
<b>INCOME</b>			
ARRL Income	120.00	80.00	200.00
Badges In	20.00	5.00	25.00
Donations In	28.00	6.44	34.44
Dues - Membership	828.00	72.00	900.00
Dues, Family	66.00	6.00	72.00
Dues, Future	84.00	0.00	84.00
Interest - Checking	1.75	2.87	4.62
Interest - Savings	7.17	0.00	7.17
Raffle - Regular Monthly	147.00	79.00	226.00
Refreshments In	24.05	15.07	39.12
<b>TOTAL INCOME</b>	<b>1,325.97</b>	<b>266.38</b>	<b>1,592.35</b>
<b>EXPENSES</b>			
ARRL Exp	112.00	78.00	190.00
Awards	96.94	24.78	121.72
Badges Exp	7.06	0.00	7.06
Bank Svc Chg	8.80	18.00	26.80
Donations Exp	50.00	0.00	50.00
Free Trailer	0.00	34.11	34.11
Newsline Tape	26.51	11.37	37.88
Raffle Reg Monthly	167.40	130.58	297.98
Refreshments Ex	0.00	33.97	33.97
RF Postage	145.00	116.00	261.00
RF Printing	37.71	57.87	95.58
Supplies	0.00	96.86	96.86
World Radio	-4.65	0.00	-4.65
<b>TOTAL EXPENSES</b>	<b>646.77</b>	<b>601.54</b>	<b>1,248.31</b>
<b>TOTAL INCOME/EXPENSE</b>	<b>679.20</b>	<b>-335.16</b>	<b>344.04</b>
<b>TRANSFERS</b>			
TO Checking-Sec Pac 577	-1,297.70	-294.64	-1,592.34
FROM Cash Box	1,297.70	294.64	1,592.34
<b>TOTAL TRANSFERS</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>OVERALL TOTAL</b>	<b>679.20</b>	<b>-335.16</b>	<b>344.04</b>



"RF"

# ORANGE COUNTY AMATEUR RADIO CLUB

JULY 1993

## FIELD DAY SUMMARY FOR THE ORANGE COUNTY AMATEUR RADIO CLUB - W6ZE

BY: Ken / W6HHC & Bob / AF6C

YEAR	80M		75M		40M		40M		20M		20M		17M		15M		15M		12M		10M		10M		6M		2M		2M		2M		220		440		144/440		NOVICE (CW)				TOTAL				
	CW	SSB	CW	SSB	CW	SSB	CW	SSB	CW	SSB	CW	SSB	CW	SSB	CW	SSB	CW	SSB	CW	SSB	CW	SSB	PHN	PHN	CW	PHN	PKT	PHN	PHN	PHN	ATV	OSCAR	80	40	15	10	OSQ's	(POINTS)									
1968	10	224	62	396	93	328	-	24	430	-	0	68	0	0	145	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,780	3,938		
1969	0	98	0	50	0	375	-	0	301	-	0	0	0	169	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	993	1,966		
1970	0	272	0	0	0	531	-	0	426	-	0	0	0	0	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,229	2,458		
1971	0	274	0	106	0	530	-	0	136	-	0	0	0	0	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,046	2,092	
1972	0	50	0	350	0	521	-	0	530	-	0	0	0	0	94	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,545	3,090	
1973	90	226	0	452	0	932	-	0	273	-	0	0	0	0	46	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,019	4,218	
1974	0	161	0	333	0	630	-	0	342	-	0	110	0	0	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,600	3,248	
1975	80	120	154	274	40	863	-	140	259	-	0	123	0	0	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,053	4,934	
1976	99	254	152	487	21	600	-	64	210	-	2	54	0	0	2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,945	4,566	
1977	25	243	163	199	0	843	-	47	486	-	0	309	0	4	234	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,610	5,812
1978	14	196	242	170	30	981	-	50	558	-	0	145	0	1	164	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,600	5,926	
1979	0	195	198	92	42	773	-	0	737	-	0	95	0	2	124	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,266	5,016	
1980	20	149	205	235	471	318	-	52	1,025	-	0	226	12	0	100	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,849	7,194	
1981	0	167	200	265	60	699	-	77	717	-	0	105	0	0	197	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,487	5,648	
1982	0	105	49	238	40	352	-	0	515	-	0	72	0	0	155	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,582	3,400	
1983	3	93	200	0	0	776	-	0	995	-	0	43	18	0	16	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,145	4,696	
1984	0	0	310	0	32	196	-	0	350	-	0	0	0	0	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	941	2,672	
1985	81	0	311	91	35	662	-	75	0	-	0	0	0	22	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,288	3,602
1986	0	46	219	78	0	488	-	0	45	10	0	0	0	82	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	968	2,374	
1987	22	0	0	39	0	708	-	0	18	1	0	0	1	51	5	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	962	2,202	
1988	127	0	66	75	2	359	-	0	570	0	0	81	0	0	32	14	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,497	3,726
1989	30	0	98	5	0	906	-	21	172	0	0	238	3	0	121	18	24	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,646	3,590
1990	0	0	70	144	0	370	-	0	747	0	0	131	39	0	114	2	14	26	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,657	3,454
1991	105	308	182	182	400	623	23	9	463	0	0	104	4	0	141	48	23	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,626	6,740
1992	0	294	200	110	541	555	0	0	840	0	0	232	13	0	74	41	0	1	2	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,983	7,530
1993	150	100	159	81	530	700	30	131	814	0	0	179	40	0	86	35	12	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,063	8,136

Note: These are raw contacts taken directly from the log sheets. Adjustments have not been made for duplicate contacts, and bonus points have not been added yet. Final scores appear in QST in the fall.

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## CLUB NETS

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Band	Mode	Day	Local Time	Freq. mHz	Net Control
15 Meters	SSB	Wed	8:00pm	21.375*	AF6C
2 Meters	FM	Wed	8:30pm	146.550 simplex	WB6IXN
40 Meters	CW	Thurs.	8:00pm	7.140*	WA6RND

(Listen for W6ZE, Net Control) \* Plus or minus QRM

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### GENERAL MEETING

**JULY 16**

**AUGUST 20**

**SEPTEMBER 17**

GENERAL MEETING IS THE 3<sup>RD</sup> FRIDAY OF EACH MONTH AT 7:30 PM.  
ANAHEIM EMERGENCY OPERATIONS CENTER  
909 E. Vermont, Anaheim, CA Talk in Freq. 146.550 simp  
West of 2<sup>nd</sup> set of railroad tracks.  
A big antenna is in front of building with a red light on top.  
Major Streets: Vermont & Anaheim Blvd.

### BOARD BREAKFAST

**AUGUST 14**

**SEPTEMBER 4**

**OCTOBER 2**

BOARD MEETING IS THE 1<sup>ST</sup> SATURDAY OF EACH MONTH AT 8:00 AM.  
Denny's Restaurant -- Members & Visitors are welcome.  
2314 E. 17<sup>th</sup> Street, Santa Ana, CA (714) 543-0872  
Exit the 55 freeway at 17<sup>th</sup> Street, go west. On south side of the street.

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P.O. Box 3454  
TUSTIN, CA 92681



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